

uwb and template and start and random sequence

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- Wireless data communication apparatus and method using an UWB pulse sequence

KIM, Nam-hyong (Samsung Electronics Co., Ltd.), *EUROPEAN PATENT APPLICATION*, Dec 2007  
patno: EP1868306

...transmitted pulse sequences, while maintaining...generated UWB pulse sequence. According...  
comprising a template pulse sequence...detect the start point of a received random-interval...the first  
UWB pulse sequence by a predetermined...generating a random number sequence...reference  
template pulse sequence...detect the start point of...

Full text available at patent office. For more in-depth searching go to [LexisNexis](#)  
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- UWB pulse sequence generation apparatus and method

Kim, Nam-hyong (SAMSUNG ELECTRONICS CO., LTD.), *EUROPEAN PATENT APPLICATION*, Sep 2004  
patno: EP1458113

...the pulse sequences for the signal...generated by the template pulse sequence generator, based on  
the start point information...detected by the random number sequence...provided a UWB pulse  
sequence...the first UWB pulse sequence by a predetermined...generating a random number  
sequence...reference template pulse sequence...detect the start point of...

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- UWB pulse sequence generation apparatus and method, and data communication apparatus and method  
using the UWB pulse sequence

Kim, Nam-Hyong (SAMSUNG ELECTRONICS CO., LTD.), *UNITED STATES PATENT AND TRADEMARK  
OFFICE PRE-GRANT PUBLICATION*, Sep 2004  
patno: US20040179577

...random number sequence (S920). The random-interval pulse sequence is generated at a UWB, using  
Pulse Position...Next, a reference template pulse sequence, which is used to detect the start position of  
the received random-interval pulse...

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- An optical communication system using techniques borrowed from UWB radio technology, such as  
correlating a received PPM signal with a stored training signal

Mark Justin Moore / Jack Arnold Lang (Artimi Inc(US-DELAWARE)), *UNITED KINGDOM PATENT  
APPLICATION*, Feb 2007  
patno: GB2428949

...borrowed ultra wideband (UWB) radio. Standards for...into a data packets with start and stop bits, and,  
optionally...from ultra wide band (UWB) radio communications...comprising a pseudorandom sequence  
generator arranged so...from the pseudorandom sequence, the precise position...

Full text available at patent office. For more in-depth searching go to [LexisNexis](#)  
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